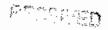
Use Attainability Analysis

for

WBID 731 Rivaux Creek

Submitted by Tetra Tech. Inc.

To Missouri Department of Natural Resources Water Protection Program



JUL 1 5 2005

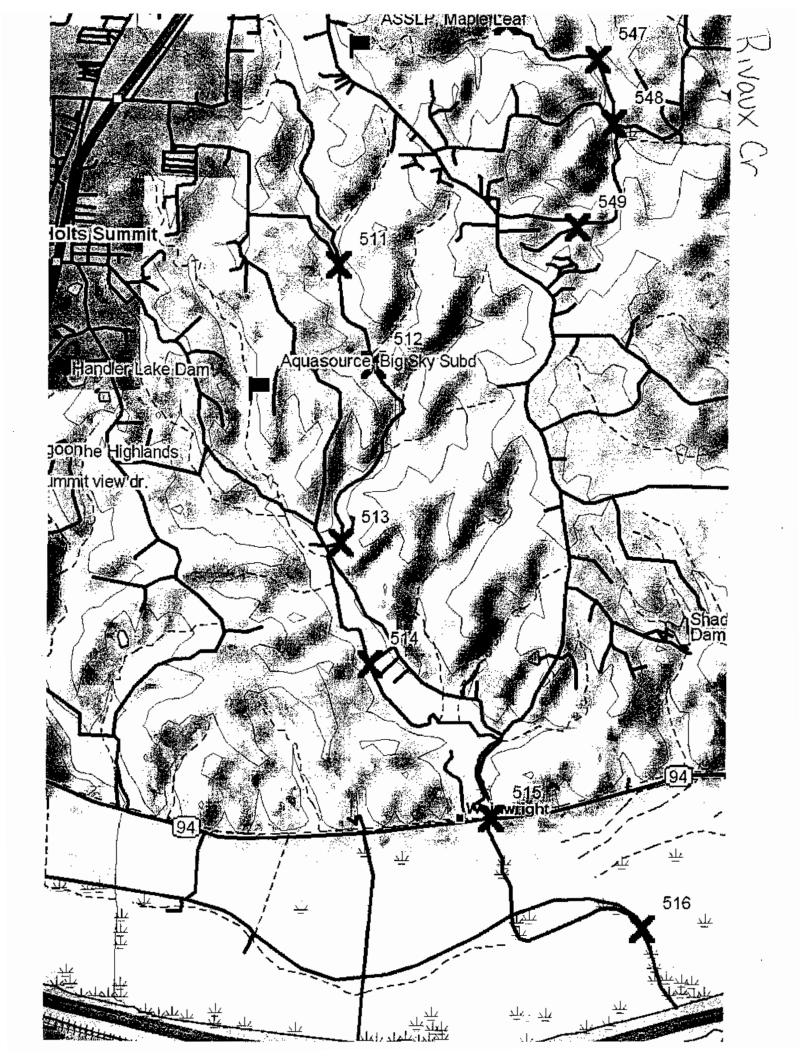
Data Sheet A - Water Body Identification

WATER PROTECTIONS IN COSTAM

Water Body Name: (from USGS 7.5' quad) RIVAUX CreeK
8-digit HUC: 10300\02
Missouri WBID#: 073\
County: Callaway
Upstream Legal Description:
Downstream Legal Description:
Upstream Coordinates: N 38.61/31 W92.08237
Downstream Coordinates: N 38 57286 W 92.06062
Discharger Facility Name(s): Aquasource, Big Sky Subd
Discharger Permit Number(s):
Number of Sites Evaluated: 6
Name of Surveyor and Telephone Number: 58 410-356-8993
Organization: T+
Position: Scientist
the analogoismed hands after the best of markaged as that all information reported on this TIA A

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:



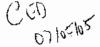
Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	IIA TOUSE) _{ra} (07)	Site Location D	escription:	4
Site GPS Coordinates:		92.08		~ & 50A,	Morron Landows
Date & Time: 7-5-		790	Facility Name:	Armsowa	
Personnel: CB	JB.		Permit Number:		· · · · · · · · · · · · · · · · · · ·
Current Weather Conditi	ons: Cloudy	70°	Weather Condit	ions for Past 7 days:	
Photo Ids: Upstream:		nstream	1: 1956 Othe	r: 47541955	
ses Observed*:		•	<u> </u>		
☐ Swimming	☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	C] Fishing	None of the above	☐ Other:
	er or individuals for		frequency of use, photo-	accumulation of evidence	on recoverious uses, etc.,
·					
·				uses. Attach photos of evide	
rrounding Condition		promote			
urrounding Condition	ns*: (Mark all that p	promote	or impede recreational u	uses. Attach photos of evide	nce or unusual
urrounding Condition ms of interest.) □ City/county parks	ns*: (Mark all that p	promote MI	or impede recreational of	uses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway
rrounding Condition ms of interest.) City/county parks Boating accesses	DS*: (Mark all that p ☐ Playgrounds ☐ State parks ☐ Fence	promote MI	or impede recreational of the conservation lands tional forests	uses. Attach photos of evide Urban areas Nature trails	nce or unusual
rrounding Condition ms of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	DS*: (Mark all that p ☐ Playgrounds ☐ State parks ☐ Fence	D MI □ Nat	or impede recreational of the conservation lands tional forests	uses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway
rrounding Condition ms of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	DS*: (Mark all that p ☐ Playgrounds ☐ State parks ☐ Fence	D MI Nat	or impede recreational to OC conservation lands tional forests ep slopes	Urban areas ☐ Nature trails ☐ Other:	nce or unusual □ Campgrounds □ Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.



Page Two – Data Sheet B for WBID # 511A (6731)

Stream Morp Upstream		sical Din	agrelance (2.04	0.08	0.08, 0	10	0.10	
□ Riffle	Width (ft):	icai Dili	Length (ft):		Avg. Depth			lax. Depth (ft):	
☐ Run	Width (ft):		Length (ft):		Avg. Depth	(ft):	M	fax. Depth (ft):	
(Pool	Width (ft):	1,3m	Length (ft):	900	Avg. Depth	(ft): 6,08m	M	fax. Depth (ft):	0,10 m
CX/Flow	Present?	☐ Yes	(DX No		Estimated (fi	t³/sec):			
Downstrea	am View F	hysical l	\ Dimensions:	0,06,	0.10,	0.32,0	7.28	,0,10	
☐ Riffle	Width (ft):		Length (ft):		Avg. Depth	(ft):	M	lax. Depth (ft):	
☐ Run	Width (ft):		Length (ft):		Avg. Depth	(ft):	M	fax. Depth (ft):	
Pool	Width (ft):	155	Length (ft):	20m	Avg. Depth	(ft): 0.19m	M	lax. Depth (ft):	0.32m
12 Flow	Present?	☐ Yes	(□ No		Estimated (fi	1 ³ /sec):			
Aquatic Veg	Nw			or algal grov	th at the asse	essment site)			
Odor:		Sewage	☐ Musky	□ Ch	mical	None		Other:	
Color:		Çlear	☐ Green	☐ Gra	у	☐ Milky		Other:	
Bottom De	posit: 🗆	Sludge	□ Solids	Prin	e sediments	□ None		Other:	·
Surface De	posit: 🛚	Oil	□ Scum	☐ Foa	m	ÊXNone		Other:	
*This information comprehensive decision on the decision of th	on is not to bunderstanding tecreation us	oe used solong of water se analysis reby affi	ely for removal of conditions. Con but may point to rm to the bes	of a recreation is equently, the conditions to tof my kr	nal use design his information hat need furth nowledge, the	nation but rather n is not intende er analysis or th	r is to pr d to dire hat effec mation	ovide a more ectly influence a st another use.	n this UAA
Organization	Tetra	Te.	4		Position	: Envil	COM M	entil Sch	int137

CED 105105

0731_511_US



0731_511_DS



0731_511_livestock/atv path



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 5	1A took	Que (0	Site Locati			,	
Site GPS Coordinates: N				n at	513, 200m.		
Date & Time: 7/5	5/05	1610			c vasoure		
Personnel:	JB		Permit Nu		-		
Current Weather Condition	ons: Cloudy	754	Weather C	Weather Conditions for Past 7 days:			
Photo Ids: Upstream:	153 D	ownstream	n: 1952	Other:	ATV fracks (1954	•)	
ses Observed*:							
☐ Swimming	☐ Skin diving		☐ SCUBA diving		☐ Tubing	☐ Water skiing	
□ Wind surfing	☐ Kayaking		☐ Boating		□ Wading	☐ Rafting	
			☐ Fishing		None of the above	☐ Other:	
Describe: (include numb	frequency of use, p	hoto-d	ocumentation of evidence	of recreational uses, etc.)			
						3	
						, 111	
						Ļ	
urrounding Condition	18*: (Mark all tha	it promote	or impede recreation	onal use	es. Attach photos of evider	nce or unusual	
☐ City/county parks	☐ Playground	s 🗀 M	DC conservation lar	nds	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	□ Na	ational forests		☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	Fence	ŒΚsα	eep slopes		Exother: Forest &	Agricultur	
Evidence of Human Us	se*:					•	
Roads	☐ Foot paths/3	orints	☐ Dock/platform		Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Si	tes	☐ Fire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle	
Other:	-						
			-/		****		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

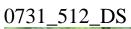
CEG 0165105

			1: (0731) 5 toniumber 1			
Upstream View ☐ Riffle Width	Physical Dim	Length (ft):	y Streambed Avg. Depth	(ft):	Max. Depth (ft):	
□ Run Width		Length (ft):	Avg. Depth		Max. Depth (ft):	·
□ Pool Width		Length (ft):	Avg. Depth		Max. Depth (ft):	
☐ Flow Preser		□ No	Estimated (f	-		
Downstream V	iew Physical l	Dimensions:	0.16 0.30,0	5.74	0.66,0.22	
□ Riffle Width	<u>-</u>	Length (ft):	Avg. Depth		Max. Depth (ft):	
□ Run Width	ı (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	-
⊠Pool Width	1(ft): 13.0m	Length (ft):	Om Avg. Depth	(ft): ୦.५ର	Max. Depth (ft):	7.74m
Flow Prese	nt?	Ø No	Estimated (f	t ³ /sec):		
Substrate*: (These	# Pool with	Whin reach	> Im dath			
% Cobb		Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
None	·					
Water Character	istics*: (Mark a	all that apply.)			·	
	□ Sewage	all that apply.)	□ Chemical	⊠ None	Other:	
Water Character Odor: Color:			☐ Chemical	⊠ None □ Milky	Other:	
Water Character Odor:	□ Sewage	☐ Musky				
Water Character Odor: Color:	□ Sewage □ Sewage	☐ Musky	☐ Gray	☐ Milky	Other:	
Water Character Odor: Color: Bottom Deposit: Surface Deposit: Comments: Pleas *This information is not comprehensive undersidecision on the recreation of the recreation of the comprehensive undersidecision of the recreation of the comprehensive undersidecision of the recreation of the comprehensive undersidecision of the comprehensive undersi	Sewage Clear Sludge Oil e attach addition to be used solutanding of water tion use analysis d, hereby affi	☐ Musky ☐ Green ☐ Solids ☐ Scum Onal comments ely for removal of conditions. Cons but may point to desirm to the best	Gray Fine sediments Foam (including information of a recreational use design conditions that need furth of my knowledge, to	☐ Milky ☐ None ☐ None ☐ None ion from internation but rate is not interner analysis of that all info	Other: Other: Other:	

Ce" 07105105

0731_512_US







0731_512_atv tracks



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 513				ion Desc	oription:		
Site GPS Coordinates: 38			7	77 F	2160 2021 Chara 7		
Date & Time: 07/05/05	1500		Facility Na	ame: /	emsource		
Personnel: CB.JD			Permit Nu		- 		
Current Weather Condition	ons: 80"F , Parl	ely Clary	Weather C	Weather Conditions for Past 7 days:			
Photo Ids: Upstream:			1-149	Other:			
Uses Observed*:	· · · · ·						
□ Swimming	☐ Skin diving	s	CUBA diving		☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		Boating			☐ Rafting	
			ishing		None of the above	☐ Other:	
Surrounding Condition items of interest.)	ns*; (Mark all that	promote or	impede recreation	onal use	s. Attach photos of evider	nce or unusual	
☐ City/county parks	☐ Playgrounds	□ MDC	conservation las	nds	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ Nation	al forests		☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☑ Steep :	slopes		Other: Forest	· · · · · · · · · · · · · · · · · · ·	
Evidence of Human Us	se*:		-				
Roads	☐ Foot paths/pr	ints	Dock/platform	1	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Site	es 🗆	Fire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle	
☐ Other:		•					
			•			· · · · · · · · · · · · · · · · · · ·	

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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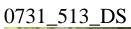
ASB 7/5/05

□ Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Pool Width (ft): 5.3	□ Riffle W	idth (ft):		Length (ft):	0/36, 0.24, 0.26 Avg. Depth		Max. Depth (ft):	
Flow Present? Yes No Estimated (ft³/sec): * Pool v.th.in upstream partial with a maximum slepth of 0.8m. Downstream View Physical Dimensions: 0.26.0.54, 0.58, 0.48, 0.40m Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Width (ft): 4.8m Length (ft): 23m Avg. Depth (ft): 0.45m Max. Depth (ft): 0.58m Flow Present? Yes No Estimated (ft³/sec): Destrate*: (These values should add up to 100%.) Cobble 5 % Gravel % Sand % Silt 90 % Mud/Clay % 1	□ Run W	idth (ft):	_	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Downstream View Physical Dimensions: 0.26.0.54, 0.58, 0.48, 0.40n Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Pool Width (ft): 4.8	Pool W	idth (ft):	5.3m	Length (ft): 💫	Avg. Depth	(ft): 0,29m	Max. Depth (ft):	ა. <u>ვ</u> ც _ო
Downstream View Physical Dimensions: 0.26.0.54, 0.58, 0.48, 0.40 m □ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Pool Width (ft): 4.8 m Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Flow Present? □ Yes □ No Estimated (ft³/sec): Distrate*: (These values should add up to 100%.) % Sand % Silt 90 % Mud/Clay % I	Flow Pr	resent?	☐ Yes	☑ No	Estimated (f	t³/sec):		
□ Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Pool Width (ft): 4.8 Length (ft): 23 Avg. Depth (ft): 0.45 Max. Depth (ft): 0.58 □ Flow Present? □ Yes □ No Estimated (ft³/sec): Strate*: (These values should add up to 100%.) % Cobble 5 % Gravel % Sand % Silt 90 % Mud/Clay % Depth (ft): 0.58 % Silt 90 % Mud/Clay % Depth (ft): 0.58)ownstreen						'M .	•
☑ Pool Width (ft): 4.3							Max. Depth (ft):	•
Flow Present? Yes No Estimated (ft³/sec): strate*: (These values should add up to 100%.) % Cobble 5 % Gravel % Sand % Silt 90 % Mud/Clay % 1	□ Run W	Vidth (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Flow Present? Yes No Estimated (ft³/sec): ***Strate*: (These values should add up to 100%.) *** Cobble 5 % Gravel % Sand % Silt 90 % Mud/Clay % J				Length (ft): ない	~ Avg. Depth	(ft): 0.45m	Max. Depth (ft):).58m
strate*: (These values should add up to 100%.) % Cobble 5 % Gravel % Sand % Silt 90 % Mud/Clay % 1	☑ Pool W	Vidth (ft):	4.8.					
	Flow Postrate*: (T % Countries Veget	resent? These value	☐ Yes ues should a	No No dd up to 100%.)	% Sand	% Silt 90	% Mud/Clay	·
ter Characteristics*: (Mark all that apply.)	Strate*: (T % C	resent? These value Cobble	Yes Should a 5 % (note amou	No N	% Sand	% Silt 90	% Mud/Clay	% B
ter Characteristics*: (Mark all that apply.) Odor: □ Sewage □ Musky □ Chemical □ None □ Other:	Strate*: (T % Countie Veget: None	resent? These value Cobble ation*:	Yes les should a 5 % (note amou	No N	% Sand	% Silt 90		·
Odor: ☐ Sewage ☐ Musky ☐ Chemical ☐ None ☐ Other:	Strate*: (T % Countie Veget: None ter Charace Odor:	resent? These value Cobble ation*:	Yes les should a 5 % (note amou	No odd up to 100%.) o Gravel unt of vegetation or a all that apply.) Musky	% Sand lgal growth at the asse	% Silt 90	☐ Other:	% Be
Odor: ☐ Sewage ☐ Musky ☐ Chemical ☐ None ☐ Other:	Strate*: (T % C uatic Veget None ter Charac Odor: Color:	resent? These value Cobble ation*:	Yes les should a 5 % (note amou	☑ No add up to 100%.) Gravel ant of vegetation or a all that apply.) ☐ Musky ☐ Green	% Sand lgal growth at the asse	% Silt 90	□ Other: □ Other: Si; vily	% Be
None	Flow Postrate*: (T	resent? These value	☐ Yes ues should a	No No dd up to 100%.)	% Sand	% Silt 90	% Mud/Clay	
	Flow Postrate*: (T % Countries Veget	resent? These value	☐ Yes ues should a	No No dd up to 100%.)	% Sand	% Silt 90	% Mud/Clay	
iter Characteristics*: (Mark all that apply.)	Strate*: (T % Countic Veget	resent? These value Cobble	Yes Should a 5 % (note amou	No N	% Sand	% Silt 90	% Mud/Clay	·
d Sewage C. Masky W Chemical 2 Note D Cher.	Strate*: (T % Countie Veget: None ter Charace Odor:	resent? These value Cobble ation*:	Yes les should a 5 % (note amou	No odd up to 100%.) o Gravel unt of vegetation or a all that apply.) Musky	% Sand lgal growth at the asse	% Silt 90	☐ Other:	% B
Odor: □ Sewage □ Musky □ Chemical □ None □ Other: Color: □ Clear □ Green □ Gray □ Milky □ Other: Slightly fooths, d	Strate*: (T % C uatic Veget None ter Charac Odor: Color:	resent? These value Cobble ation*:	Yes les should a 5 % (note amou	☑ No add up to 100%.) Gravel ant of vegetation or a all that apply.) ☐ Musky ☐ Green	% Sand lgal growth at the asse	% Silt 90	□ Other: □ Other: Si; vily	% B
Odor: □ Sewage □ Musky □ Chemical □ None □ Other: Color: □ Clear □ Green □ Gray □ Milky □ Other: Slightly fooths, d	strate*: (T % C uatic Veget None ter Charac Odor: Color: Bottom Depo	resent? These value Cobble ation*:	Yes les should a 5 % (note amou	No Indd up to 100%.) Indd up to 100%.) Industry Indu	% Sand	% Silt 90 essment site) None Milky None	□ Other: □ Other: ≤1; ¬↓;t/y □ Other:	% B

Organization: TETM TOH INC. Position: AURITATE SCIENTIST #3B 7/5/05

0731_513_US







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Г				City I		<u> </u>	
			(0731)	Site Location De			
	Site GPS Coordinates: //		2,06194		ion of CR4183	14CB4091	
	Date & Time: 7/5/0	5 1530		Facility Name:	Aquasource	-	
	Personnel: 3) B		Permit Number:			
	Current Weather Condition	ns: Partly (100)	l, 75°F	Weather Conditi	ons for Past 7 days:	-	
			/	50 Other	:		
Us	es Observed*:						
	☐ Swimming	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing	
	☐ Wind surfing	☐ Kayaking	□ Boa	ting:	□ Wading	☐ Rafting	
	☐ Hunting ☐ Trapping ☐ Fis				None of the above	Other:	
	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)						
	Anonymons Interview: Fishing People float on river						
	1	Đ.	L C	كفيلام ال	- .		
		P	ciple The	xt * 1100			
						·	
						•	
	· · · · · · · · · · · · · · · · · · ·		·····				
Su	rrounding Condition	s*: (Mark all that p	romote or imp	pede recreational u	ses. Attach photos of evider	nce or unusual	
iter	ns of interest.)				-		
	☐ City/county parks	☐ Playgrounds	☐ MDC cor	nservation lands	☐ Urban areas	☐ Campgrounds	
	☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway	
į	☐ No trespass sign	☐ Fence	Steep slop	pes	A Other: Povest		
Ev	idence of Human Us	e*:					
	Roads	☐ Foot paths/prin	ts 🗆 D	ock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
	☐ Rope swings	☐ Camping Sites	ΩF	ire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
	☐ Other:	, <u> </u>				<u> </u>	
			···				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Cals 07/05/05

Stream Morpholog Upstream View	gy: Physical Dim	nensions: 🔿 ,	36,0,44,0.	84,1.12	1,36	
□ Riffle Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	· .
Pool Width	(f): 13 m	Length (ft): 7	Rom Avg. Depth	(ft): 0.82m	Max. Depth (ft):	1.3600
Flow Preser	nt? 🗆 Yes	© No	Estimated (f	t³/sec):		
Downstream Vi	ew Physical 1	Dimensions:	0.02.0.04	0.06,0	DP. 0.09	
☐ Riffle Width		Length (ft):	O.02,0.04 Avg. Depth	(ft):	Max. Depth (ft):	
□ Run Width	(ft):	Length (ft):	Avg. Depth	(ft);	Max. Depth (ft):	
Pool Width	(ft): 0.25	Length (ft):	9-0m Avg. Depth	(ft): 0.05m	Max. Depth (ft):	0.082
Flow Prese	nt? 🗆 Yes	\Q∕No	Estimated (f	1 ³ /sec):		
Substrate*: (These		ld up to 100%.)			·	
Cobb	le jo %	Gravel ¿	# Sand 3 ()	% Silt 4	% Mud/Clay	% Bedrock
Aquatic Vegetatio	n*: (note amou	nt of vegetation o	r algal growth at the asse	ssment site)		
Water Character	stics*: (Mark a	all that apply.)	· · · · · · · · · · · · · · · · · · ·			
Odor:	□ Sewage	☐ Musky	☐ Chemical	(None	☐ Other:	
Color:	☐ Clear	(IX) Green	☐ Gray	□ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	☐ Solids	☑ Fine sediments	□ None	Other:	
Surface Deposit:	□ Oil	Scum	☐ Foam	□ None	Other:	
*This information is n comprehensive unders decision on the recrea	ot to be used solutanding of water tion use analysis d, hereby affi	eiy for removal of conditions. Com- but may point to rm to the best	s (including information of a recreational use design sequently, this information conditions that need furth tof my knowledge, to	nation but rather is not intended her analysis or that all inform	s to provide a more to directly influence a at effect another use.	this UAA
Organization:	etra Tec	لر	Positio	n. Environn	undal Sounts	t

07/05/05

0731_514_US



0731_514_DS



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

_							<u>-</u>
	Missouri WBID #: 5	5 7005B) CE	(0731)			scription:	
	Site GPS Coordinates: N 3				isling E	ast of Wainwright	on thate 17
		05 /500		Facility 1	Name:	Agunsource	<u>-</u>
]	Personnel: (5)	JB		Permit N	iumber:		
_ [·	Current Weather Condition	ns: Partly Clary		Weather	Conditio	ons for Past 7 days:	<u> </u>
	Photo Ids: Upstream:	147 Dow	nstream:	1946	Other		
<u>.</u> .	-	•					
Γ.	s Observed*:			·		т	·
-	☐ Swimming	Skin diving		SCUBA divin	g	☐ Tubing	☐ Water skiing
-	☐ Wind surfing	☐ Kayaking		Boating	ting 🗆 Wading		☐ Rafting
	☐ Hunting	☐ Trapping		Fishing		None of the above	☐ Other:
	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)						
							•
Ĺ							
C							
item	rounding Condition s of interest.)	S*: (Mark all that p	promote o	r impede recrea	ational us	ses. Attach photos of evider	ice or unusual
Г	☐ City/county parks	☐ Piaygrounds	☐ MD(C conservation	lands	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks	☐ Natio	onal forests	-	☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	⊠ Steep	p slopes		Other: Agrizull.	ral
					· · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Evi	dence of Human Use	e*:				· · · · · · · · · · · · · · · · · · ·	
-	□ Roads	☐ Foot paths/pri	nts	☐ Dock/platfo	rm	☐ Livestock Watering	☐ RV / ATV Tracks
	☐ Rope swings	☐ Camping Sites	<u>-</u> -	☐ Fire pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
Ĺ	Cother: Bike Tro	il Bridge	ساطل _{تان} م	50m	f ups	strenm	
					1		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

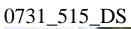


Page Two - Data Sheet B for WBID # 5/5 (005) (6751)

Stream Morpholo Upstream View		ensions: (7,5%)	0.18,0.12,0.3	1.0.16
☐ Riffle Width		Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
□ Run Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
(EXPool Width	(A): 6.3m	Length (ft): JOm	Avg. Depth (ft): 0.18m	Max. Depth (ft): 0.34m
Flow Presen	nt? 🗆 Yes 🖔	Ø No	Estimated (ft³/sec):	1/4
		* pool with	0.46m dath	<u></u>
Downstream V	<u>iew Physical D</u>	imensions: 0,06	0.12,0.12,0.08	0.04
□ Riffle Width	(ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
□ Run Widt	ı (ft): _{نو} له ۱۸	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool Widtl	(ft): 0.46m	Length (ft): 20 m	Avg. Depth (ft): 0.08m	Max. Depth (ft): 3/12/10
Flow Prese	nt? Yes	⊠ No	Estimated (ft³/sec):	
Substrate*: (These		d up to 100%.) Gravel % Sa	nd 50 %Silt 3	5 % Mud/Clay % Bedrock
Water Character	stics*: (Mark a)	I that apply.)		
Odor:	☐ Sewage		hemical 🖾 None	□ Other:
Color:	☐ Clear	Ø Green □ G	ray 🗆 Milky	☐ Other:
Bottom Deposit:	□ Sludge	□ Solids 🛱 🛱	ne sediments None	☐ Other:
Surface Deposit:	£ (oii	□ Scum □ Fo	oam	☐ Other:
This information is no comprehensive unders	ot to be used solel	y for removal of a recreati	ing information from inter onal use designation but rather this information is not intended	is to provide a more
	ion use analysis b	out may point to conditions	that need further analysis or the nowledge, that all inform	









Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 5	6A 10052	Deep (07)	Site Location D	Description:	
Site GPS Coordinates: N	38.57286 W7	0.0606	13t (1025/mg	West on CR 4038 FAS	on Intersection MCR 401
Date & Time: 7/5/8		V		Aguasource	
Personnel: Cf	JB	,	Permit Number		
Current Weather Condition	ns: Puth Class	4 751	Weather Condi	tions for Past 7 days:	
		nstream:		Trash (1945)	
[O] 14	•				
ses Observed*:	<i>E</i> 1		CUTD A Party	F. a. v.	[] W
☐ Swimming	☐ Skin diving		CUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Wind surfing ☐ Kayaking		oating	□ Wading	Rafting
☐ Hunting ☐ Trapping ☐ Describe: (include number of individuals recreating, fi			ishing	None of the above	☐ Other:
urrounding Condition	S*: (Mark all that p	romote or	impede recreational	uses. Attach photos of evide	nce or unusual
☐ City/county parks	☐ Playgrounds	□ MDC	conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ Nation	al forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	Steep:	slopes	Other: Azricult	
Evidence of Human Us	e*:			0	
□ Roads	☐ Foot paths/prin	nts 🔲 🗆	Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other: Trash (ump				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

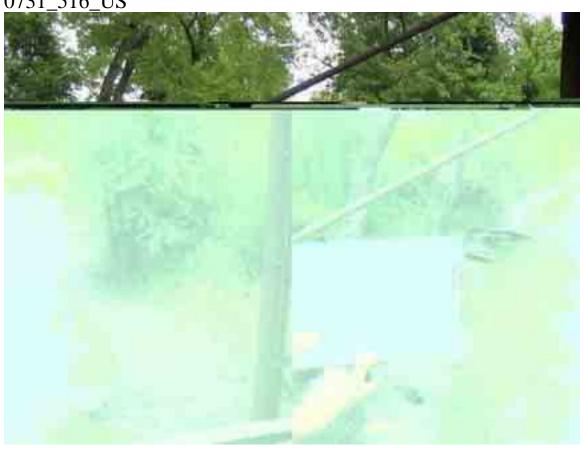
Och prioslos

Page Two - Data Sheet B for WBID # 5/ BA (305) (67)1)

Stream Mor Upstream		hysical Din	iensions: O	99	0.36	0.5	9,0,40	, 0.	1)
☐ Riffle	Width (ft):	Length (ft):		Avg. Depth			Depth (ft):	
☐ Run	Width (ft):	Length (ft):	• • • •	Avg. Depth	(ft):	Max. I	Depth (ft):	
⊠ Pool	Width (ft): C.5m	Length (ft): 6)Om	Avg. Depth	(ft): 0.39	Max. I	Pepth (ft):	0.5hm
© Flow	Present?	☐ Yes	(I⊠(No		Estimated (f	t³/sec):			
Downstre	am Viev	Physical l	Dimensions:	ر60. ر	0.08,	0,23	0,16,0	. ව8	
☐ Riffie	Width (fi):	Length (ft):		Avg. Depth			epth (ft):	
Æ Run	Width (ft	D: 4, 2m	Length (ft):	20m	Avg. Depth	(ft): 0.12	<u>Λ</u> Max. Γ	epth (ft):	0.22m
□ Pool	Width (fi): ′	Length (ft):		Avg. Depth			epth (ft):	
₽ €low	Present?	Ľ\(Yes	□ No		Estimated (f	it ³ /sec): (5/m, 53/m	1,63	/m
batnotak	ATT 1			_		-	, , ,	,	=0-18mly
substrate*:	(These va		id up to 100%.) Gravel	% Sano	1 40	% Silt	6○ % Mud/0	ขอบ ไ	% Bedrock
Water Char		CS*: (Mark a	ill that apply.)	□ Che	emical	☑ None	☐ Othe	r:	
Color:		□ Clear	Green (Fair	`		☐ Milky	☐ Othe		
Bottom De	posit:	□ Sludge	☐ Solids	Δ.	e sediments	☐ None	☐ Othe		
Surface De	posit:	Di Oil	□ Scum	☐ Foa	ını	☐ None	☐ Othe	г:	
*This informati comprehensive lecision on the	ion is not to understan recreation	o be used sold ding of water use analysis hereby affi	onal comments ely for removal of conditions. Conse but may point to comment to the best	a recreation equently, the	nal use design is information hat need furth	nation but rat on is not inter ner analysis c	ther is to provide aded to directly in that effect anot	a more nfluence a ther use.	
Organization	: <u> 7</u> e,	tsa Tea	:h		Position	n: Envir	enmental Sc	icitis?	<u> </u>

September 29, 2004

Cob 07/05/05 0731_516_US







0731_516_trash

